Subordinate Services Selection Board, Punjab Government

Quantitative Ability

Q : A man borrowed some money from a private organisation at 5 % simple interest per annum. He landed this money to another person at 10% compound interest per annum, and made a profit of Rs. 26,410 in 4 years. The man borrowed

(A) 132050

(B) 100000

(C) 200000

(D) 150000

Answer : B

Q : A sum of Rs. 2000 amounts to Rs. 4000 in two years at compound interest. In how many years does the same amount becomes Rs. 8000.

(A) 6

(B) 8

(C) 2

(D) 4

Answer : D

Q : A sum of money becomes eight times of itself in 3 years at compound interest. The rate of interest per annum is

(A) 20 %

(B) 10 %

(C) 100 %

(D) 80 %

Answer : C

Q : **A sum of money is invested at 20 % compound interest (compounded annually). It would fetch 723 more if interest is compound half-yearly. The sum is –**

(A) ₹ 20,000

(B) ₹ 7,500

(C) ₹ 72,300

(D) ₹ 30,000

Answer : C

Q : **The amount on ₹ 25000 in 2 years at annually compound interest. if the rate for the successive years be 4 % and 5 % per annum respectively is**

(A) ₹ 28500

(B) ₹ 30000

(C) ₹ 26800

(D) ₹ 27300

Answer : D

Q : **A sum of money becomes eight times in 3 years, if the rate is compounded annually. In how much time will the amount at the same compound rate become sixteen times?**

(A) 8 years

(B) 5 years

(C) 6 years

(D) 4 years

Answer : D

Q : In 3 years ₹ 3000 amounts to ₹ 3993 at x % compound interest, compounded annually. The value of x is

(A) 5%

(B) 33%

(C) 10%

(D) 8%

Answer : C

Q : The compound interest earned in two years at 12% per annum Rs 10176. What is the sum (in Rs) invested?

(A) 40000

(B) 80000

(C) 50000

(D) 60000

Answer : A

An octahedron has 12 edges, How many vertices does it have,

(A) 10

(B) 6

(C) 8

(D) 18

Answer : B

Q : The distance between the center of two equal circles each of radius 3 cm, is 10 cm. The length of a transverse common tangent is

(A) 4 cm

(B) 10 cm

(C) 8 cm

(D) 6 cm

Answer : C

Q : Three bells ring simultaneously at 11 a.m. They ring at regular intervals of 20 minutes, 30 minutes, 40 minutes respectively. The time when all the three rings together next is:

(A) 1.15 p.m.

(B) 1.30 p.m.

(C) 2 p.m.

(D) 1 p.m.

Answer : D

Q : The LCM of three different numbers is 120. Which of the following cannot be their HCF?

(A) 24

(B) 35

(C) 8

(D) 12

Answer : B